

60,130-1290
00MRA0120

IN THE CLAIMS:

1. (Previously Presented) An actuator comprising:
a motor operable to move an output member;
a shuttle and a camming arrangement axially movable relative to each other to provide rotational indexing of the shuttle and the camming arrangement relative to each other to obtain first and second output positions of the output member,
wherein the motor is driven in a single direction to move the output member from the first output position to the second output direction and is driven in the single direction to move the output member from the second output position to the first output position.
2. (Original) The actuator as defined in claim 1 in which the motor drives a worm screw in threaded engagement with the output member.
3. (Original) The actuator as defined in claim 2 in which the motor drives the worm screw via gears.
4. (Original) The actuator as defined in claim 2 in which the motor drives the output member via a centrifugal clutch.
5. (Cancelled)
6. (Previously Presented) The actuator as defined in claim 1, further comprising a bias mechanism that biases the output member.
7. (Currently Amended) The actuator as defined in claim 1 in which the shuttle is axially ~~fast~~ fixed on the output member.
8. (Original) The actuator as defined in claim 1 in which the shuttle is rotatable relative to the output member.

60,130-1290
00MRA0120

9. (Original) The actuator as defined in claim 1 in which the shuttle is a cam follower which has an annular body and at least one radially projecting cam follower pin.

10. (Original) The actuator as defined in claim 1 in which the shuttle further acts as a stop abutment to define different output positions of the actuator.

11. (Previously presented) The actuator as defined in claim 1 in which the camming arrangement is provided by a first cam surface on a first axial side of the shuttle and a second cam surface on a second axial side of the shuttle.

12. (Previously presented) The actuator as defined in claim 11 in which the first and second cam surfaces each provide rotational indexing of the shuttle relative to the camming arrangement.

13. (Currently amended) The actuator as defined in claim 11 in which the first and second cam surfaces include an array of teeth edges, with a cam follower stop being located between adjacent ones of said teeth edges.

14. (Original) The actuator as defined in claim 13 in which the cam follower stops of the first cam surface provide differing output positions of the actuator.

15. (Original) The actuator as defined in claim 13 in which the cam follower stops of the second cam surface provide differing output positions of the actuator.

16. (Original) The actuator as defined in claim 1 having a powered position corresponding to each of the output positions of the actuator.

17. (Original) The actuator as defined in claim 1 having an at rest position differing from the powered output positions of the actuator.

60.130-1290
00MRA0120

18. (Original) The actuator as defined in claim 1 for use in a vehicle door locking system to provide locking and unlocking a vehicle door lock.

19. (Original) The actuator as defined in claim 18 further providing for super locking of the vehicle door lock.

20. (Original) The actuator as defined in claim 1 in which the output positions are located on a straight line.

21. (Cancelled)

22. (Currently amended) An actuator comprising:
a motor operable to move an output member;
a shuttle and a camming arrangement axially movable relative to each other to provide rotational indexing of the shuttle and the camming arrangement relative to each other to obtain different output positions of the output member, wherein the shuttle is axially ~~fast-fixed~~ on the output member.

60,130-1290
OOMRA0120

23. (Currently amended) An actuator comprising:
a motor operable to move an output member;
a shuttle and a camming arrangement axially movable relative to each other to provide rotational indexing of the shuttle and the camming arrangement relative to each other to obtain different output positions of the output member,
wherein the camming arrangement is provided by a first cam surface on a first axial side of the shuttle and a second cam surface on a second axial side of the shuttle, the first and second cam surfaces having a first plurality of teeth edges on the first axial side of the shuttle and a second plurality of teeth edges on the second axial side of the shuttle, and a cam follower stop located between adjacent ones of said teeth edges.
24. (Previously presented) The actuator as defined in claim 24, in which the first and second cam surfaces each provide rotational indexing of the shuttle relative to the camming arrangement.
25. (Previously presented) The actuator as defined in claim 24 in which the first and second cam surfaces each provide rotational indexing of the shuttle relative to the camming arrangement.
26. (Previously presented) The actuator as defined in claim 24 in which the cam follower stops of the first cam surface providing differing output positions of the actuator.
27. (Previously presented) The actuator as defined in claim 24 in which the cam follower stops of the second cam surface providing differing output positions of the actuator.
28. (Previously presented) The actuator as defined in claim 22 in which the motor is powered in a single direction to obtain the differing output positions of the actuator.
29. (Previously presented) The actuator as defined in claim 23 in which the motor is powered in a single direction to obtain the differing output positions of the actuator.

60.130-1290
OOMRA0120

30. (Previously presented) The actuator as defined in claim 24 in which the motor is powered in a single direction to obtain differing output positions of the actuator.